

FIG. 1

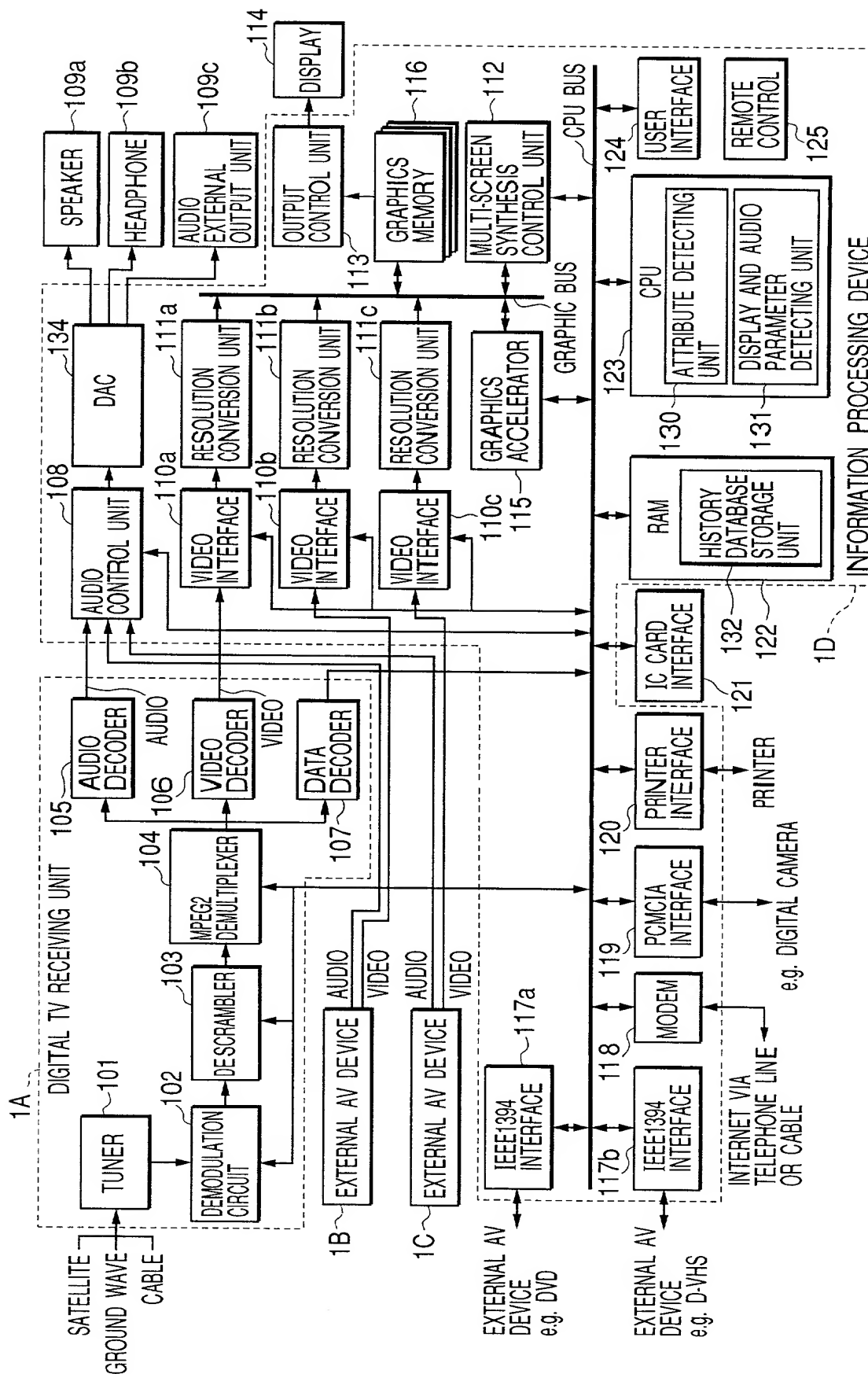


FIG. 2

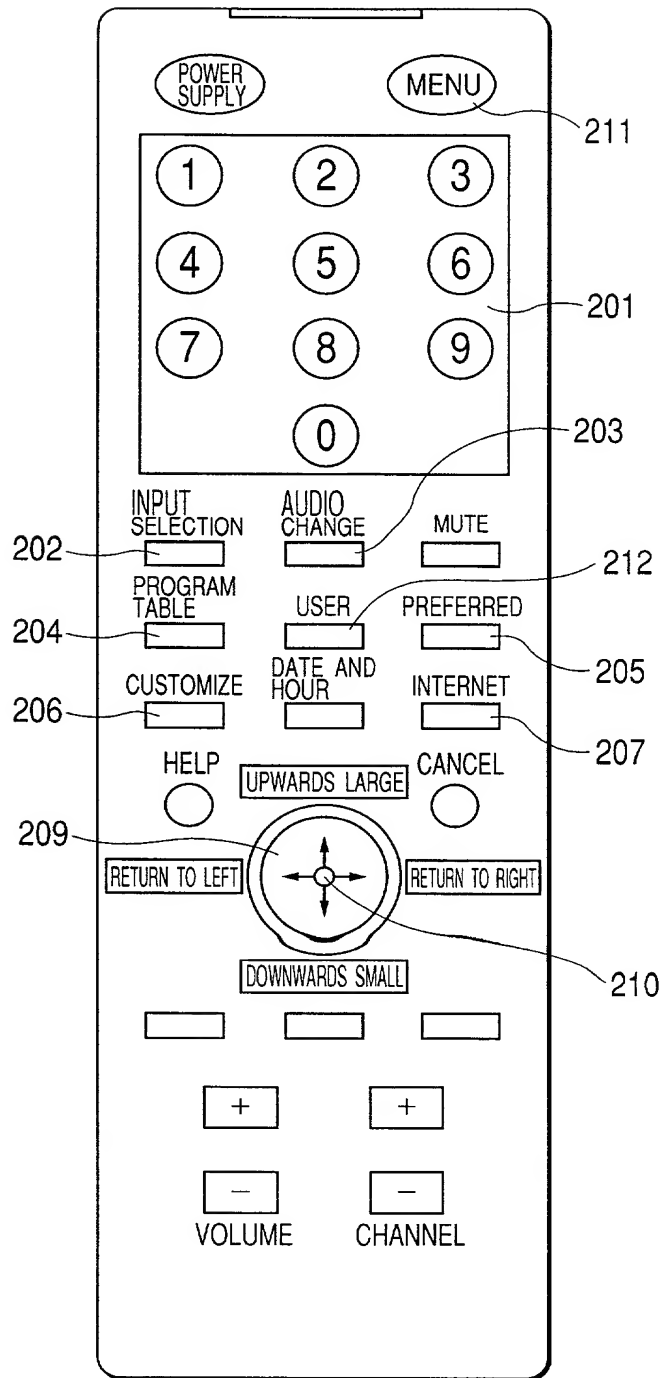


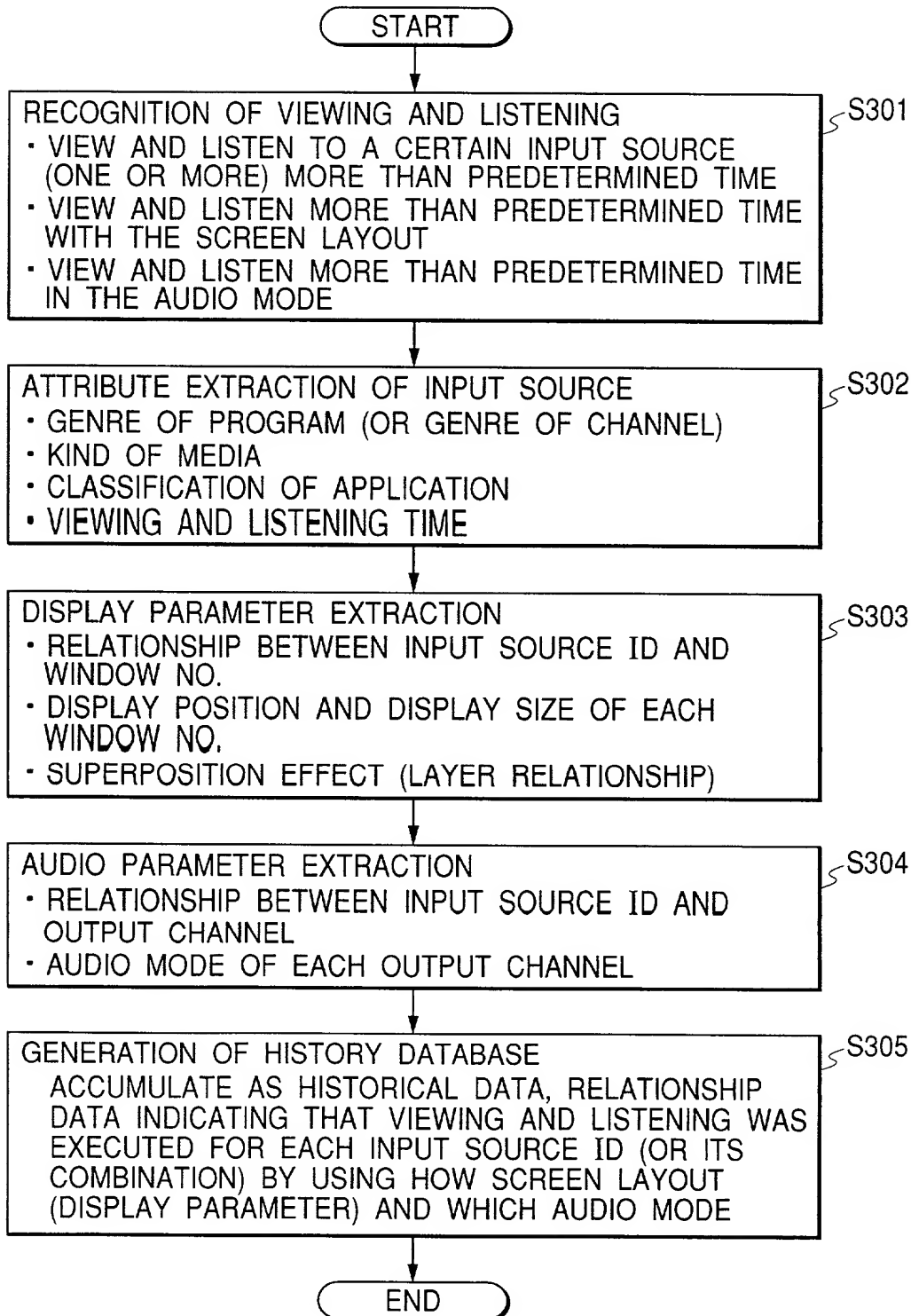
FIG. 3

FIG. 4

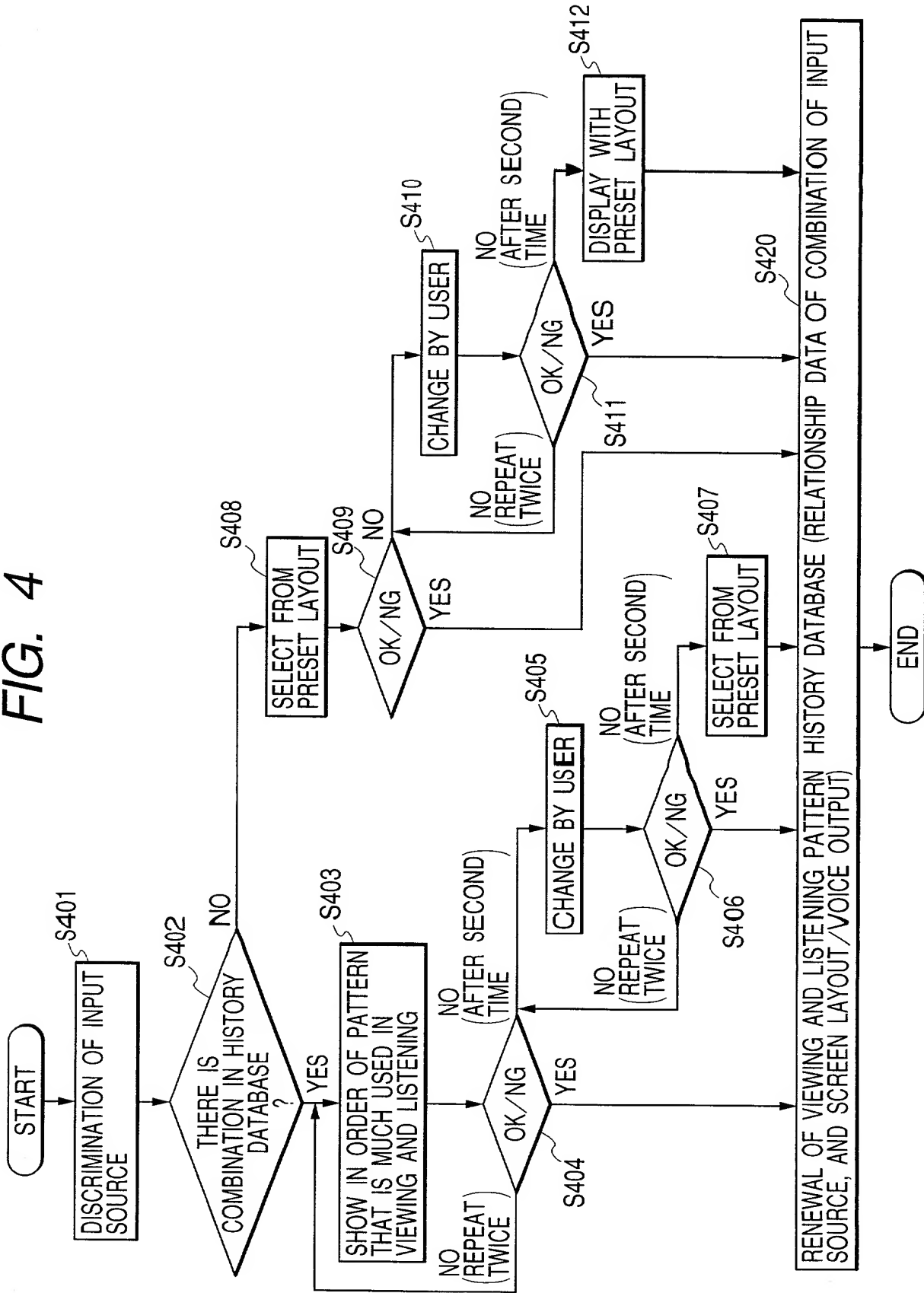


FIG. 5

INPUT SOURCE ID
MEDIA
(GENRE)
(TITLE)
(CHANNEL)
(THE WHOLE PROGRAM TIME)
START TIME
APPLICATION
RESERVED

FIG. 6

INPUT SOURCE ID
(WINDOW NO.)
WINDOW START ADDRESS
X DIRECTION SIZE
Y DIRECTION SIZE
DISPLAY EFFECT
LAYER
RESERVED

FIG. 7

INPUT SOURCE ID
OUTPUT CHANNEL
AUDIO MODE
RESERVED

FIG. 8A

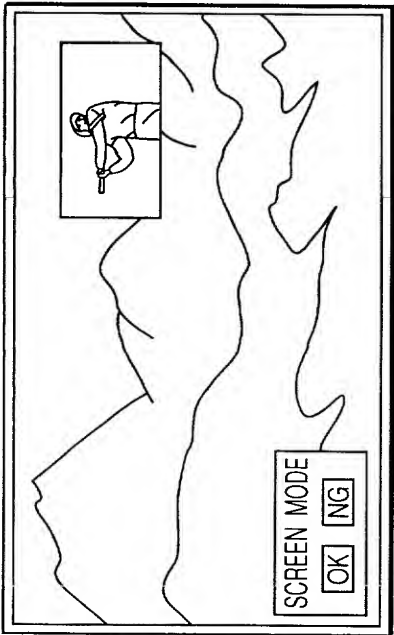


FIG. 8B

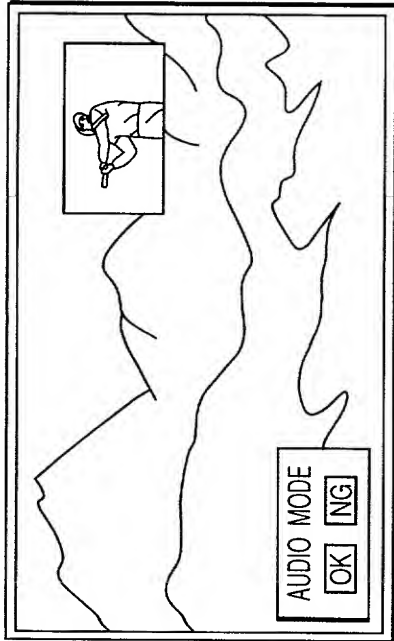


FIG. 9A

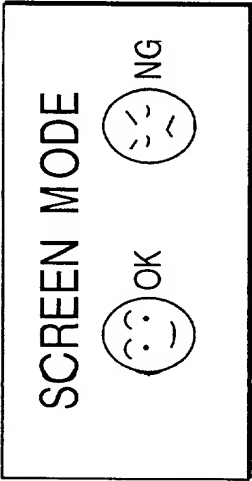


FIG. 9B

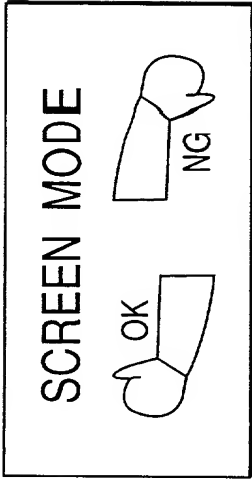


FIG. 10A

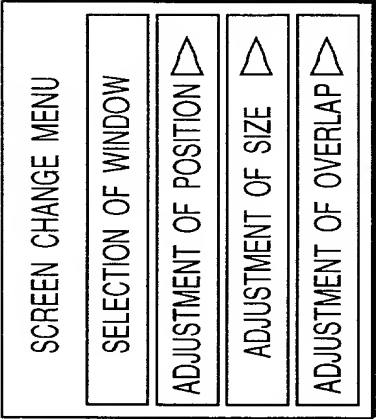
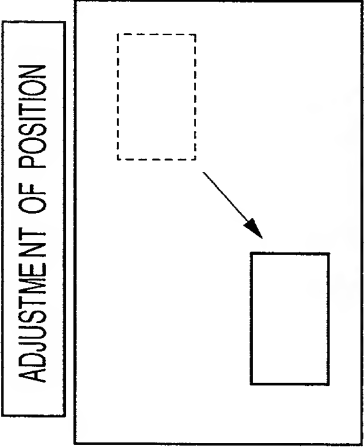
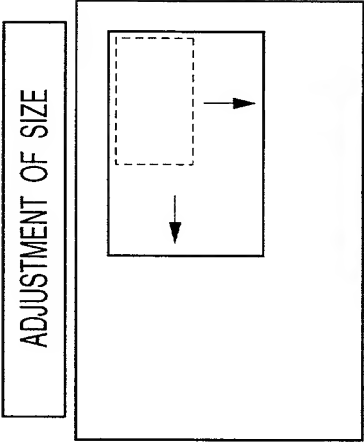


FIG. 10B



PLEASE ADJUST BY **DIRECTION KEY** ♦ OF REMOTE CONTROLLER
PLEASE PUSH **DETERMINATION KEY** AT THE TIME OF O.K.

FIG. 10C



PLEASE ADJUST BY **DIRECTION KEY** ♦ OF REMOTE CONTROLLER
PLEASE PUSH **DETERMINATION KEY** AT THE TIME OF O.K.

FIG. 11

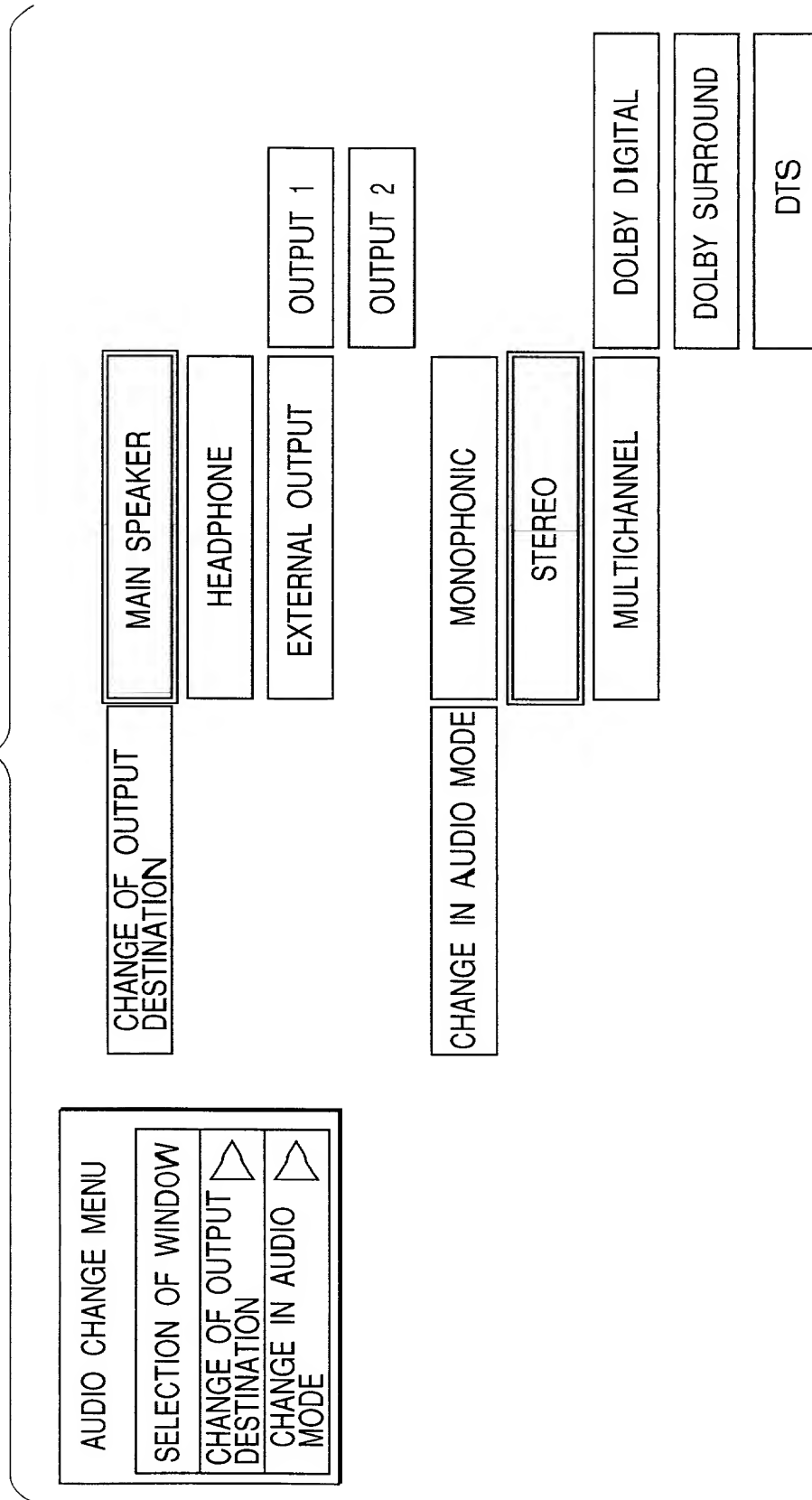


FIG. 12

INPUT SOURCE (ATTRIBUTE)					SCREEN LAYOUT					AUDIO					VIEWING AND LISTENING PATTERN
#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	
TV2	—	—	—	—	L1	—	—	—	—	M1	—	—	—	—	A
TV3	TV2	—	—	—	L1	L2	—	—	—	M2	S1	—	—	—	B
TV4	ITN1	—	—	—	L3	L4	—	—	—	M2	M5	—	—	—	C
EXT1	ITN2	—	—	—	L1	L9	—	—	—	M3	M5	—	—	—	D
TV3	ITN2	—	—	—	L3	L4-1/2	—	—	—	M1	M5	—	—	—	E
TV1	DATA1	T1	—	—	L3	L10	L11	—	—	M4	M5	M5	—	—	F
TV1	DATA1	T1	DATA2	—	L3	L12	L13	L14	—	M4	M5	M5	M5	—	G
TV1	DATA1	T1	DATA2	DATA3	L15	L12	L13	L14	L16	M4	M5	M5	M5	M5	H

MEANING OF MARK

INPUT SOURCE

TV1 : MEDIA=DIGITAL TV BROADCAST GENRE=NEWS
 TV2 : MEDIA=DIGITAL TV BROADCAST GENRE=SPORT
 TV3 : MEDIA=DIGITAL TV BROADCAST GENRE=DRAMA
 TV4 : MEDIA=DIGITAL TV BROADCAST GENRE=DOCUMENTARY
 EXT1 : MEDIA=1394 CONNECTION DEVICE GENRE=MOVIE
 ITN1 : MEDIA=INTERNET APPLICATION=INTERNET BROWSER
 ITN2 : MEDIA=INTERNET APPLICATION=E-MAIL
 DATA1 : MEDIA=DIGITAL DATA TRANSMISSION GENRE=NEWS
 DATA2 : MEDIA=DIGITAL DATA TRANSMISSION GENRE=WEATHER REPORT
 T1 : MEDIA=INTERNAL FUNCTION APPLICATION=CLOCK DISPLAY

SCREEN LAYOUT

L1 : PARAMETER OF WIDE FULL SCREEN DISPLAY
 L2 : PARAMETER OF 1/8 SIZE PIP DISPLAY AT SCREEN LOWER RIGHT
 L3 : WINDOW OF 2/3 SIZE AT SCREEN LEFT HALF
 L4-1 : WINDOW OF 1/16 SIZE AT SCREEN CENTRAL PART
 L4-2 : WINDOW OF 1/3 SIZE AT SCREEN RIGHT HALF
 L5 TO L16 : DISPLAY PARAMETER OF WINDOW LAYOUT SHOWN IN ANOTHER FIGURE
 L9 : PARAMETER OF ICON DISPLAY AT SCREEN LOWER RIGHT

AUDIO MODE

M1 : OUTPUT CHANNEL=MAIN SPEAKER MODE=STEREO
 M2 : OUTPUT CHANNEL=MAIN SPEAKER MODE=MULTICHANNEL STEREO 1
 M3 : OUTPUT CHANNEL=MAIN SPEAKER MODE=MULTICHANNEL STEREO 2
 M4 : OUTPUT CHANNEL=MAIN SPEAKER MODE=TWO LANGUAGES
 M5 : NON-AUDIO
 S1 : OUTPUT CHANNEL=HEADPHONE MODE=STEREO

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FIG. 13

SPORT TV2
DISPLAY PARAMETER L1

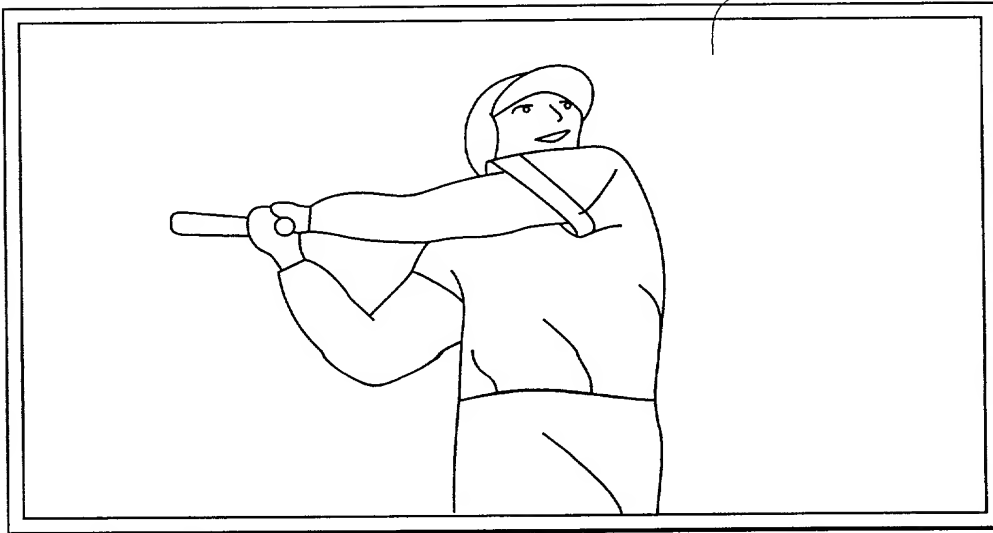
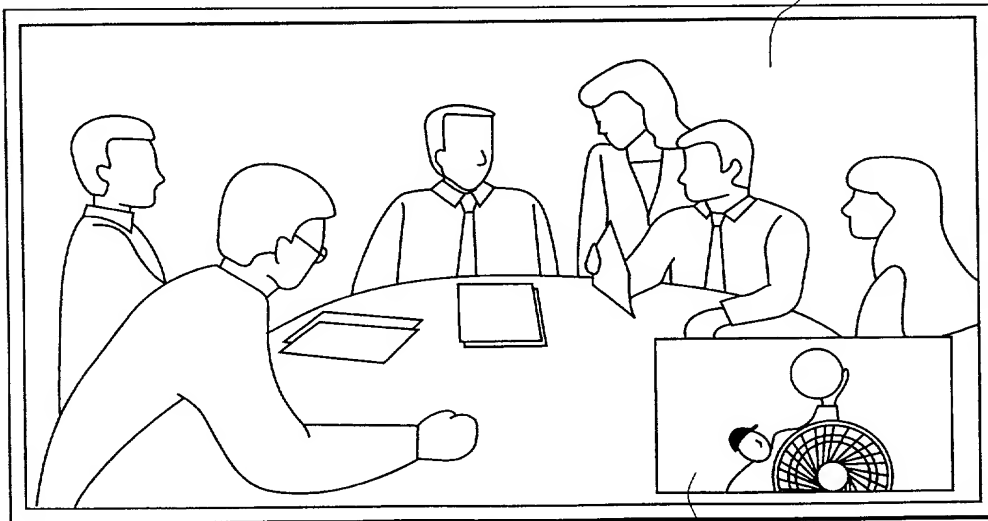


FIG. 14

DRAMA TV3
DISPLAY PARAMETER L1



SPORT TV2
DISPLAY PARAMETER L2

FIG. 15

DOCUMENTARY TV4
DISPLAY PARAMETER L3

HOMEPAGE BROWSER ITN1
DISPLAY PARAMETER L4-2

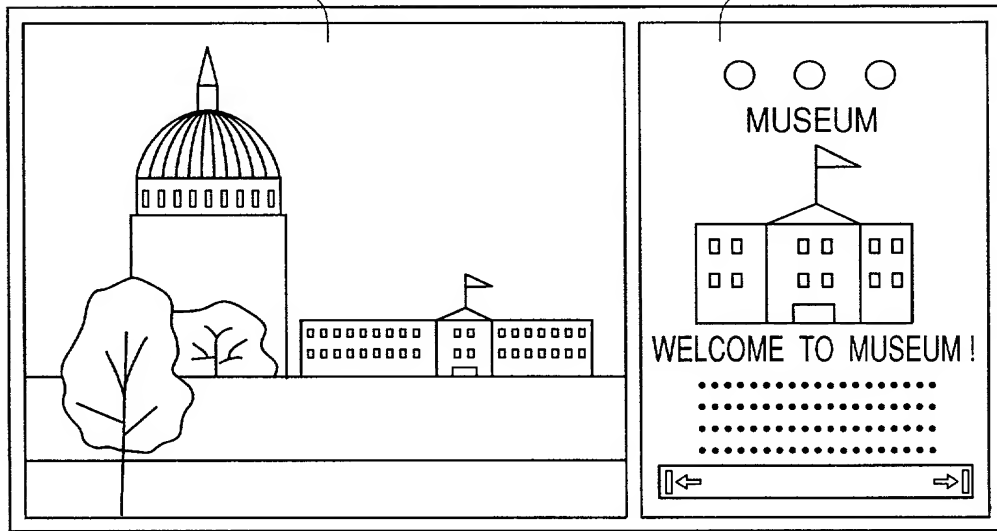
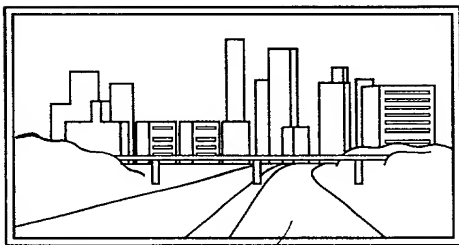
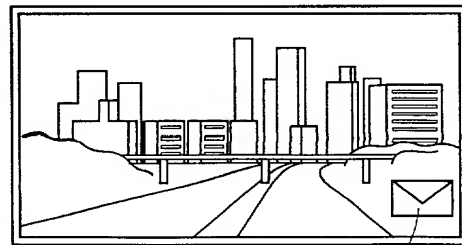


FIG. 16A



MOVIE EXIT1
DISPLAY PARAMETER L1

FIG. 16B



E-MAIL ARRIVAL ITN2
DISPLAY PARAMETER L9
(ICON DISPLAY)



FIG. 17A

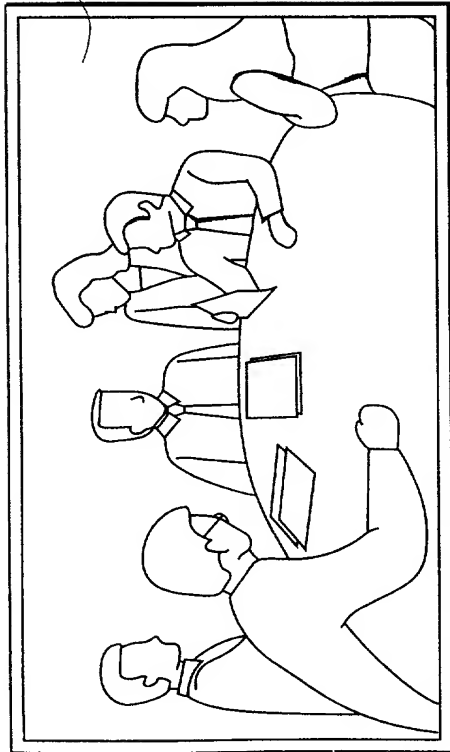
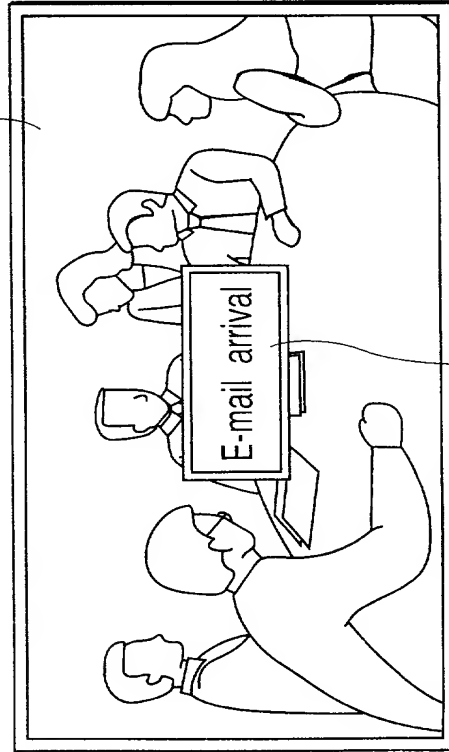


FIG. 17B



DRAMA TV3
DISPLAY
PARAMETER L3

FIG. 17C

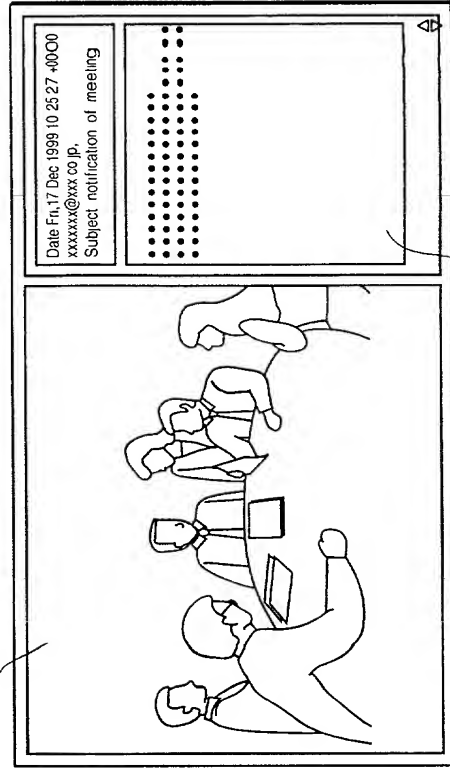


FIG. 18A

NEWS TV1
DISPLAY PARAMETER L1

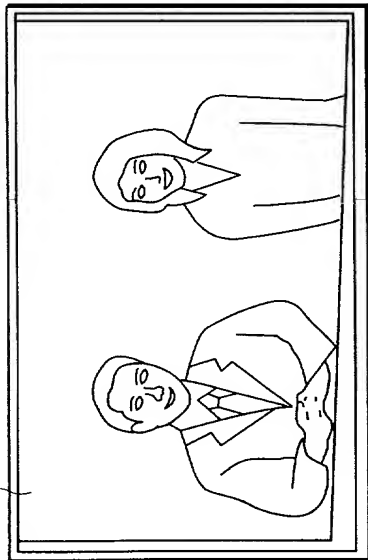
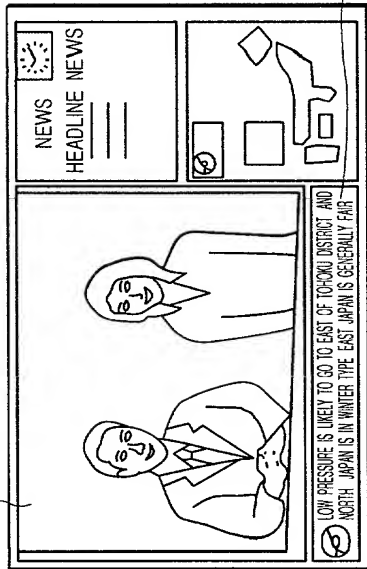


FIG. 18D

VIEWING AND LISTENING PATTERN H

NEWS TV1
DISPLAY PARAMETER L15



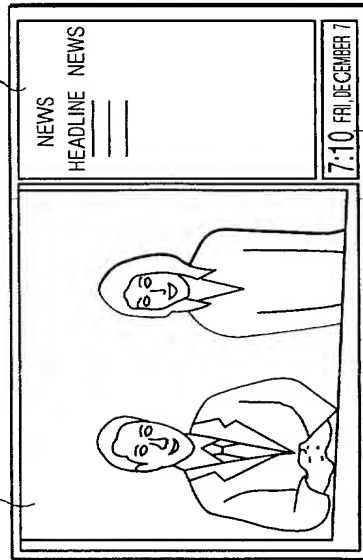
WEATHER REPORT DATA2
DISPLAY PARAMETER L16

FIG. 18B

VIEWING AND LISTENING PATTERN F

NEWS TV1
DISPLAY PARAMETER L3

NEWS DATA1
DISPLAY PARAMETER L10



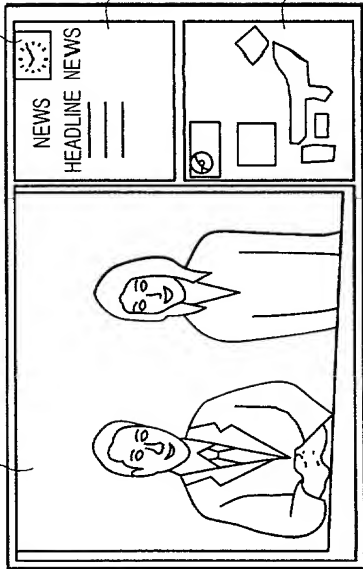
CLOCK DISPLAY T1
DISPLAY PARAMETER L11

FIG. 18C

VIEWING AND LISTENING PATTERN G

NEWS TV1
DISPLAY PARAMETER L3

CLOCK DISPLAY T1
DISPLAY PARAMETER L13



NEWS DATA1
DISPLAY PARAMETER L12

WEATHER REPORT DATA2
DISPLAY PARAMETER L14

FIG. 19

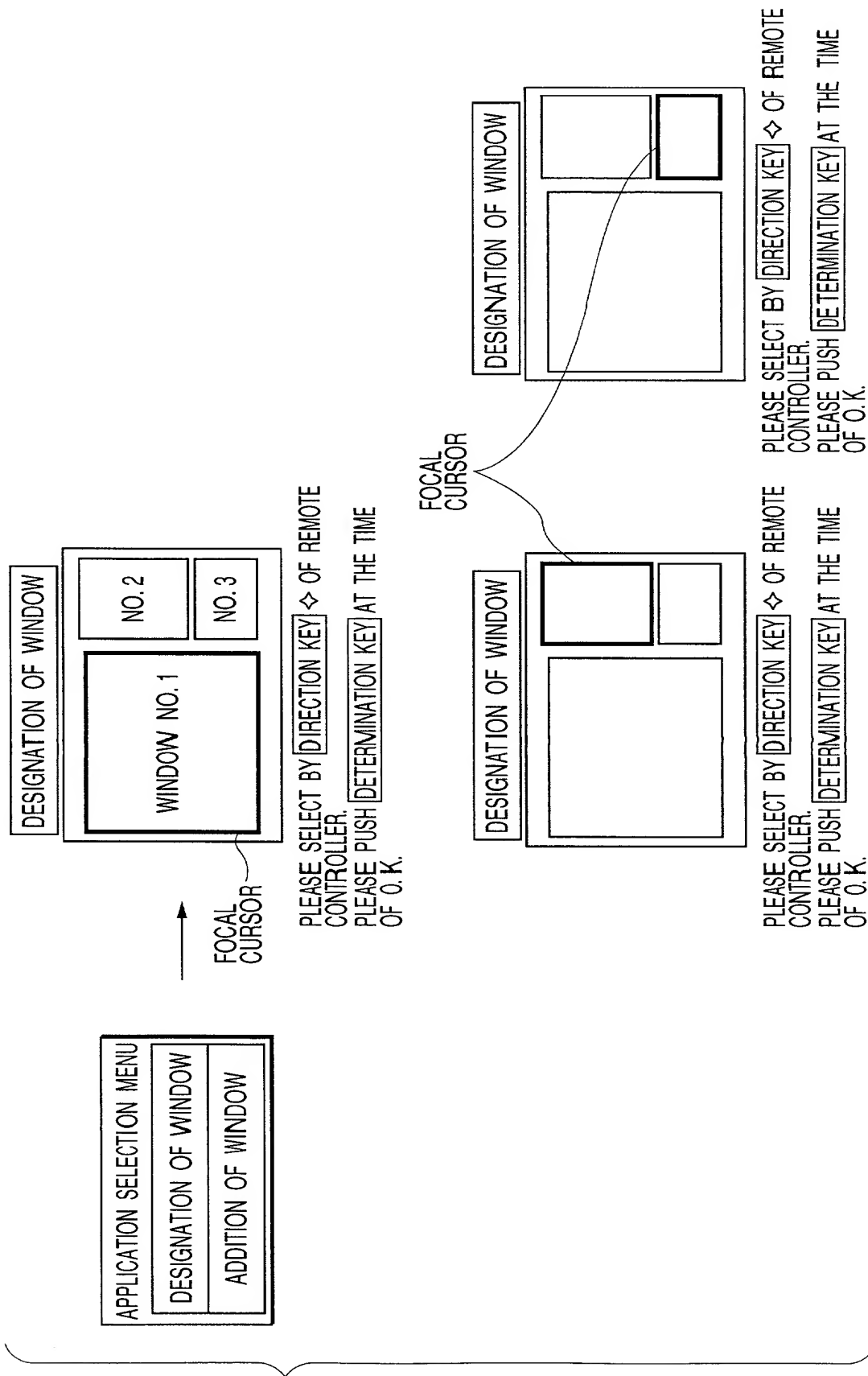


FIG. 20

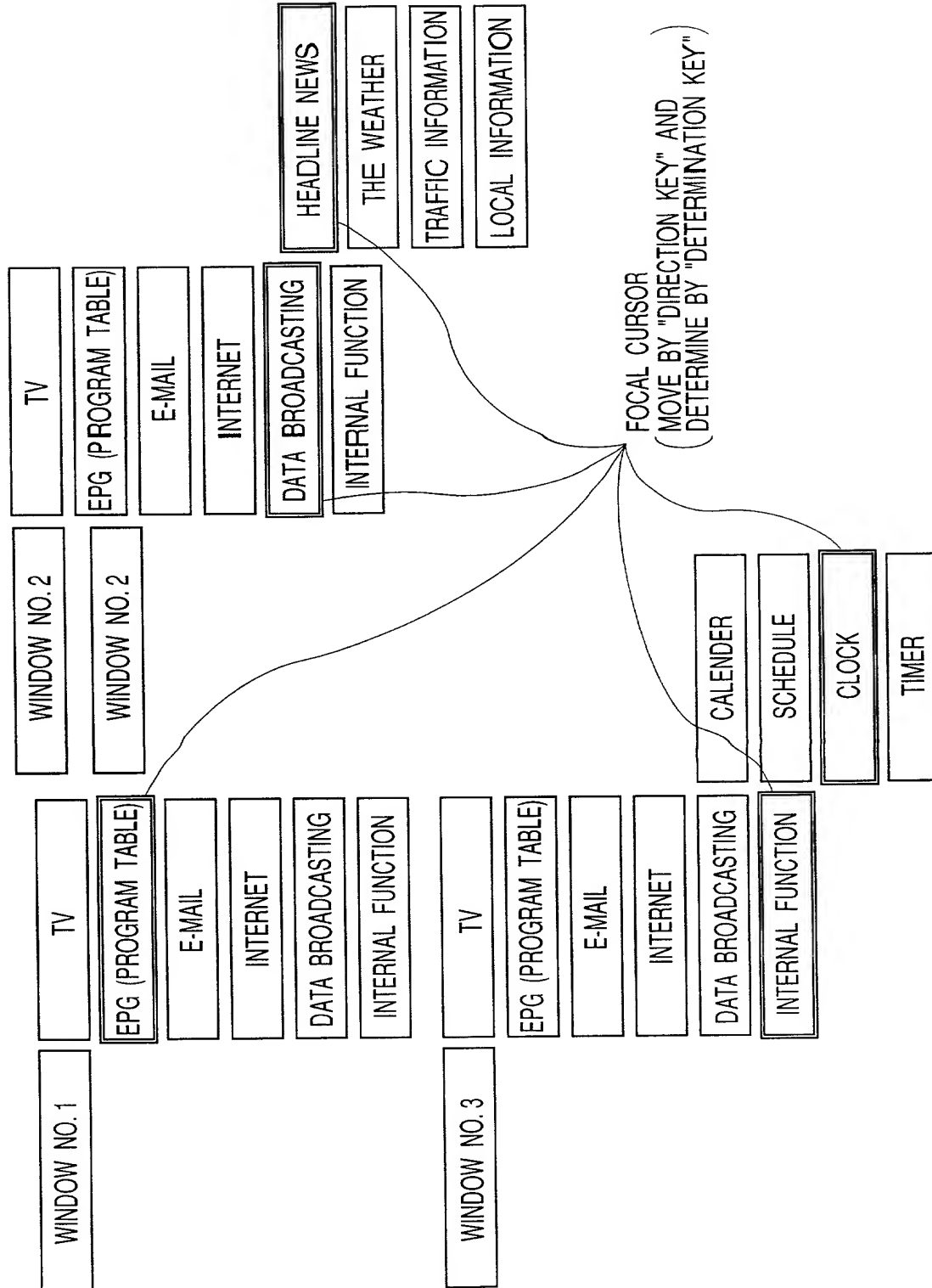


FIG. 21

TIME ZONE		INPUT SOURCE (ATTRIBUTE)				SCREEN LAYOUT				VIEWING AND LISTENING				VIEWING AND LISTENING PATTERN
TIME	DAY OF THE WEEK DAY AND MONTH	#1	#2	#3	#4	#1	#2	#3	#4	#1	#2	#3	#4	
6-7	MON.-FRI.	TV1	DATA1	T1	DATA2	L1	L2	L3	L4	M3	S2	M5	M5	A
7-8	MON.-FRI.	TV2	DATA1	T1	DATA3	L1	L2	L3	L4	M3	S2	M5	M5	B
12-1230	SUNDAY	TV3	-	-	-	L5	-	-	-	M1	-	-	-	C
19-1950	MON.-FRI.	TV2	-	-	-	L5	-	-	-	M1	-	-	-	D
20-21	WEDNESDAY 4-9	TV3	TV4	-	-	L5	L6	-	-	M1	S1	-	-	E
21-23	TUESDAY 10-12	TV5	-	-	-	L5	-	-	-	M2	-	-	-	F
21-23	TUESDAY 10-12	TV5	ITN1	-	-	L5	L7	-	-	M2	M5	-	-	G

MEANING OF MARK

INPUT SOURCE

TV1 : MEDIA=DIGITAL TV BROADCAST GENRE=NEWS Ch=8
 TV2 : MEDIA=DIGITAL TV BROADCAST GENRE=NEWS Ch=1
 TV3 : MEDIA=DIGITAL TV BROADCAST GENRE=VARIETY Ch
 TV4 : MEDIA=DIGITAL TV BROADCAST GENRE=SPORT Ch
 TV5 : MEDIA=DIGITAL TV BROADCAST GENRE=MOVIE Ch
 ITN1 : MEDIA=INTERNET APPLICATION=E-MAIL
 DATA1 : MEDIA=DIGITAL DATA TRANSMISSION GENRE=NEWS
 DATA2 : MEDIA=DIGITAL DATA TRANSMISSION GENRE=WEATHER REPORT
 DATA3 : MEDIA=DIGITAL DATA TRANSMISSION GENRE=TRAFFIC INFORMATION
 T1 : MEDIA=INTERNAL FUNCTION APPLICATION=CLOCK DISPLAY

SCREEN LAYOUT AUDIO MODE

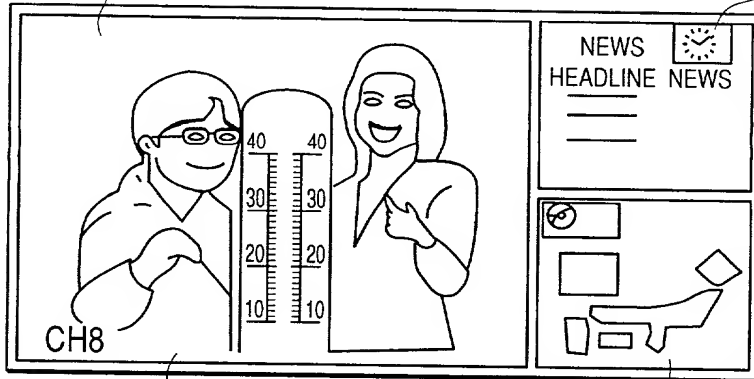
L1 TO L7 : DISPLAY PARAMETER OF WINDOW LAYOUT SHOWN IN ANOTHER FIGURE
 M1 : OUTPUT CHANNEL=MAIN SPEAKER MODE=STEREO
 M2 : OUTPUT CHANNEL=MAIN SPEAKER MODE=MULTICHANNEL STEREO 1
 M3 : OUTPUT CHANNEL=MAIN SPEAKER MODE=TWO LANGUAGES
 M5 : NON-AUDIO
 S1 : OUTPUT CHANNEL=HEADPHONE MODE=STEREO
 S2 : OUTPUT CHANNEL=HEADPHONE MODE=TWO LANGUAGES

FIG. 22

NEWS TV1
SCREEN LAYOUT L1
AUDIO M3

(MAIN SPEAKER/TWO LANGUAGES)

NEWS T1
SCREEN LAYOUT L3
AUDIO M5 (NON-AUDIO)



NEWS DATA1
SCREEN LAYOUT L2
AUDIO S2
(HEADPHONE/TWO LANGUAGES)

WEATHER REPORT DATA2
SCREEN LAYOUT L4
AUDIO M5 (NON-AUDIO)

FIG. 23

NEWS TV2
SCREEN LAYOUT L1
AUDIO M3

CLOCK DISPLAY T1
SCREEN LAYOUT L3
AUDIO M5



NEWS DATA1
SCREEN LAYOUT L2
AUDIO S2

TRAFFIC INFORMATION DATA3
SCREEN LAYOUT L4
AUDIO M5

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FIG. 24

VARIETY Ch TV3
SCREEN LAYOUT L5 (WIDE FULL SCREEN)
AUDIO M1 (MAIN SPEAKER/STEREO)

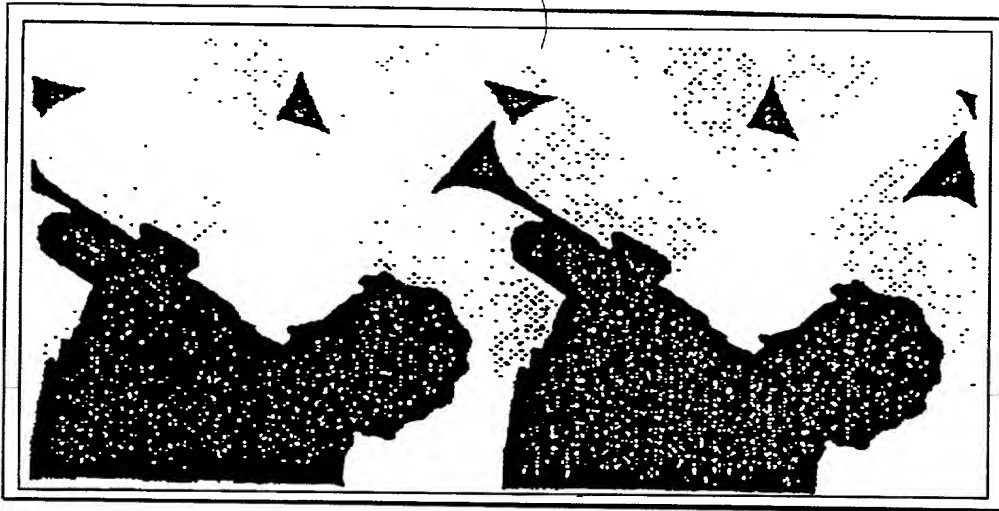


FIG. 25

VARIETY Ch TV3
SCREEN LAYOUT L5 (WIDE FULL SCREEN)
AUDIO M1 (MAIN SPEAKER/STEREO)



VARIETY Ch TV4
SCREEN LAYOUT L6 (LOWER RIGHT 1/8 SIZE PinP)
AUDIO S1 (HEADPHONE/STEREO)

FIG. 26

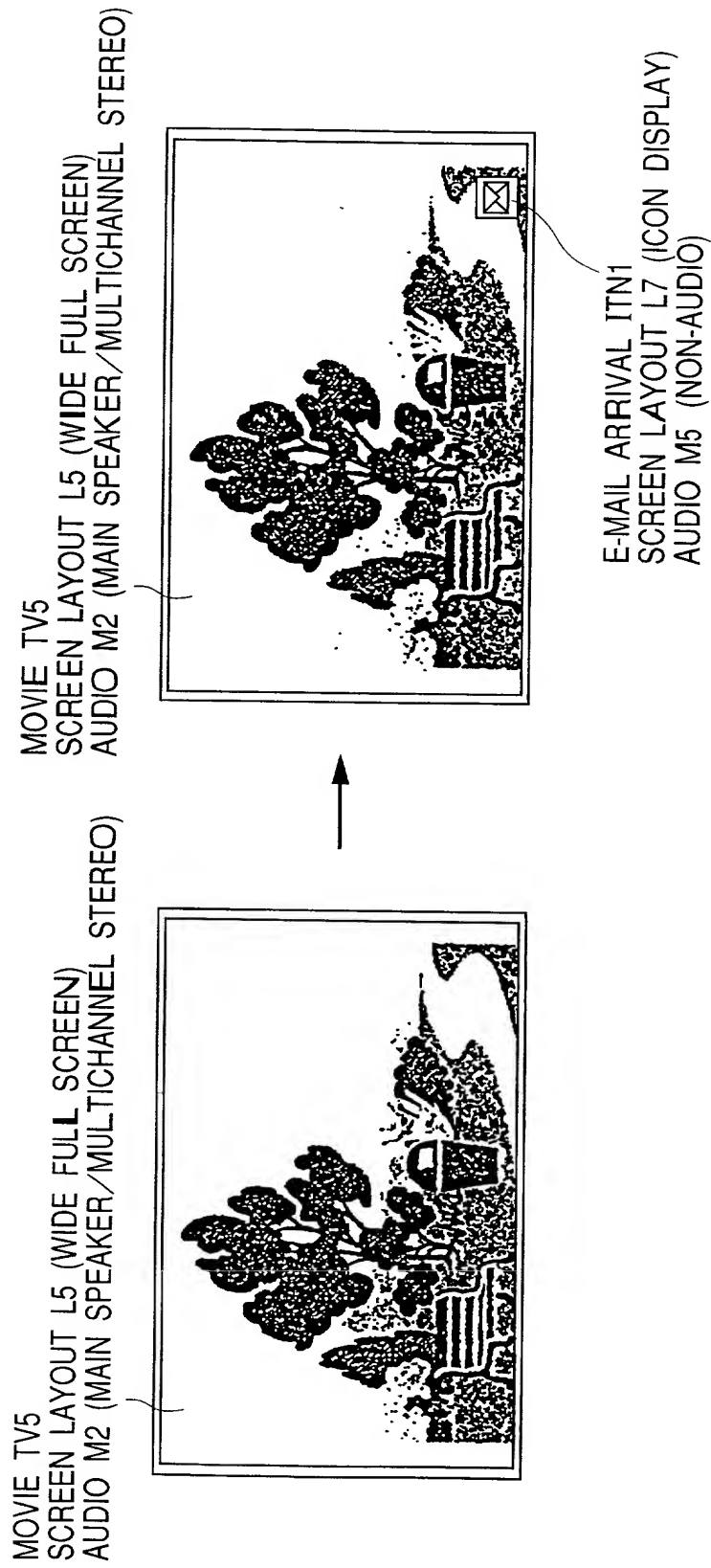


FIG. 27

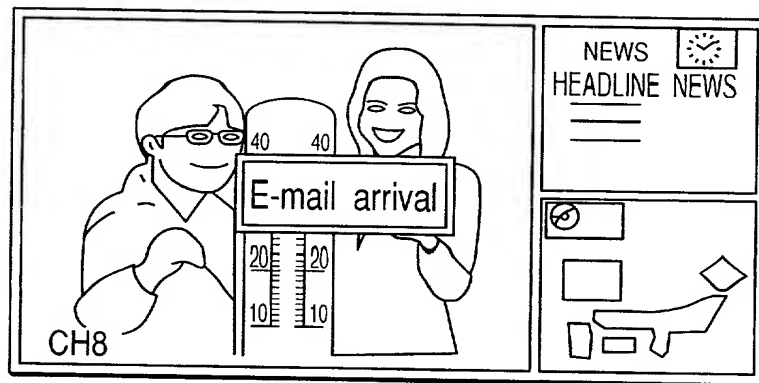


FIG. 28

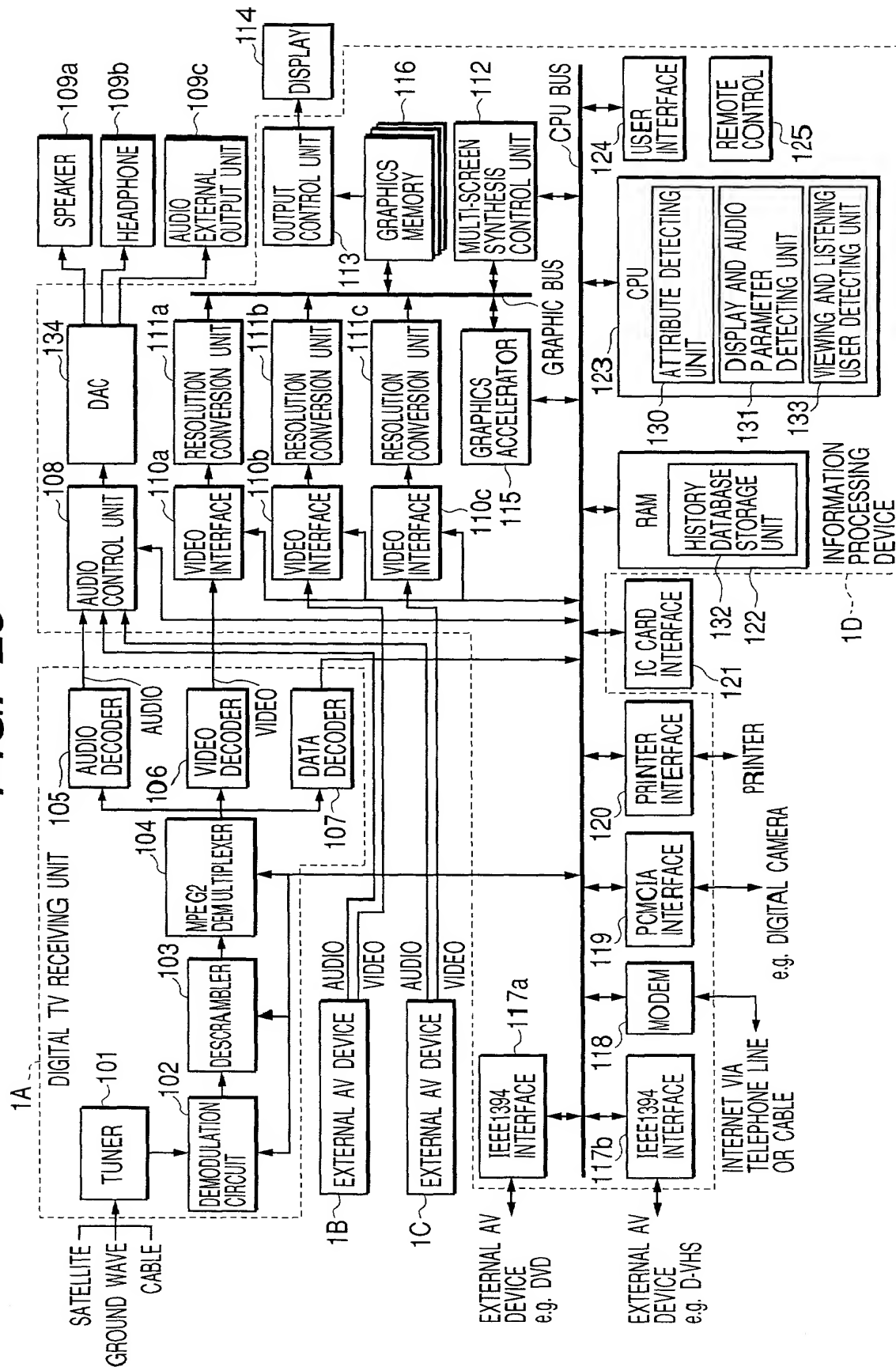


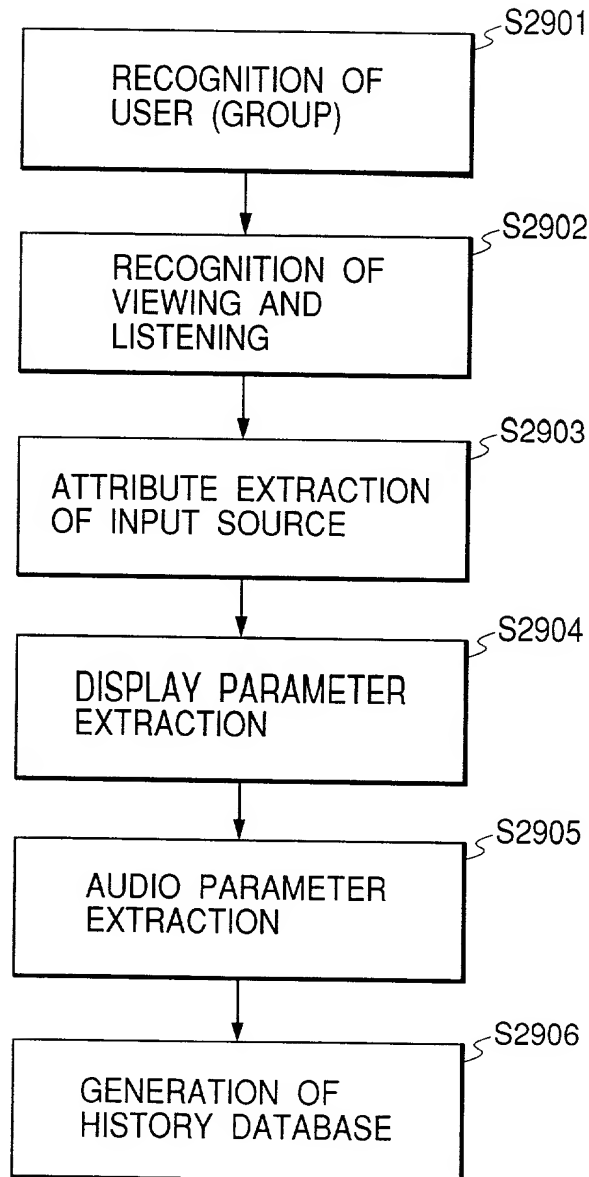
FIG. 29

FIG. 30

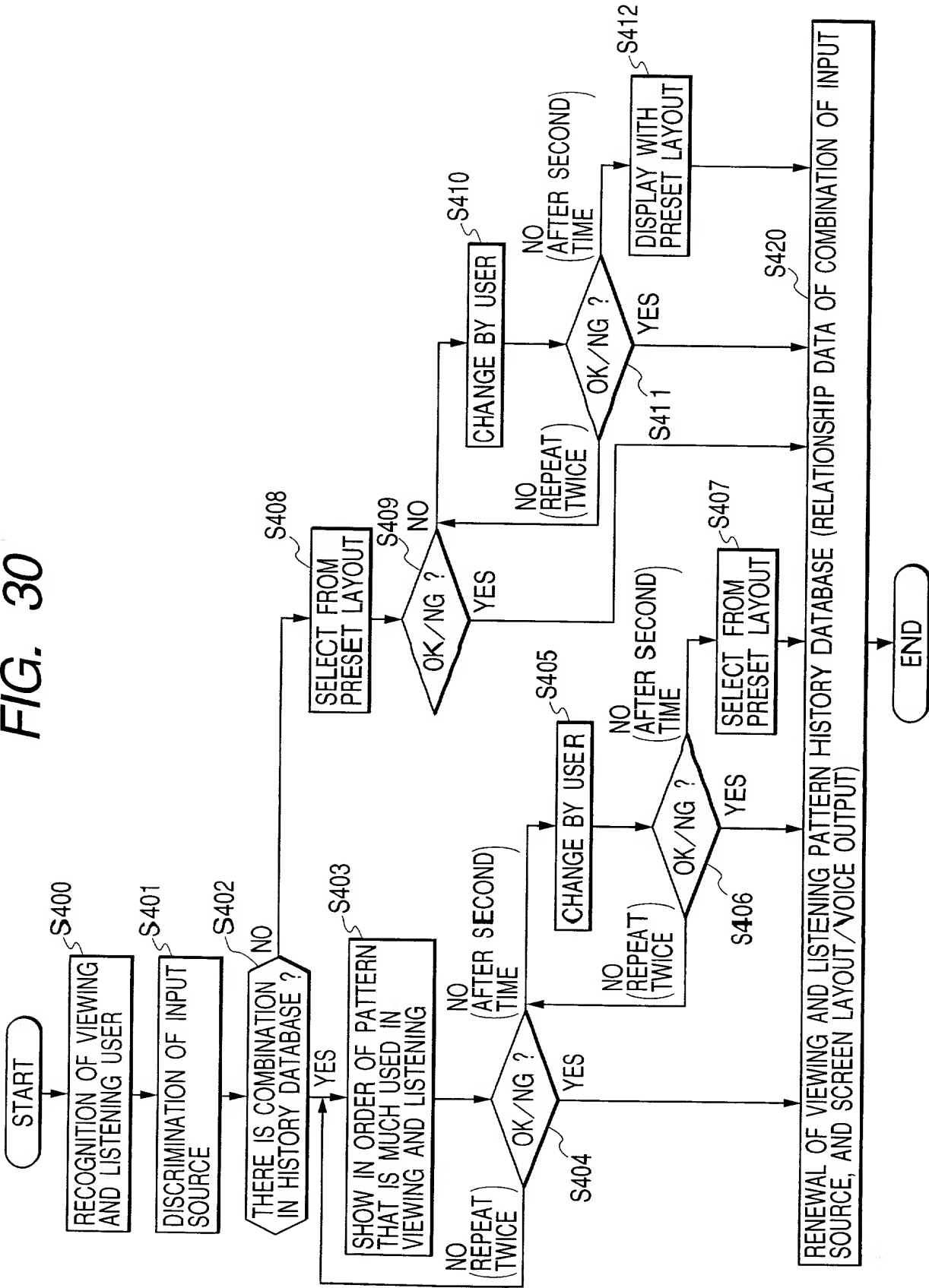


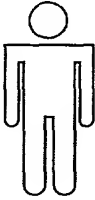





FIG. 31







SELECT YOUR CHARACTER

					
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

PLEASE MOVE CURSOR TO PLACE OF FAVORITE CHARACTER AND PUSH SELECTION KEY

FIG. 32

REGISTRATION OF GROUP MEMBER

						
GROUP 1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
GROUP 2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
GROUP 3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

PLEASE MOVE CURSOR TO PLACE OF MEMBER WHO IS REGISTERED AND PUSH SELECTION KEY

FIG. 33

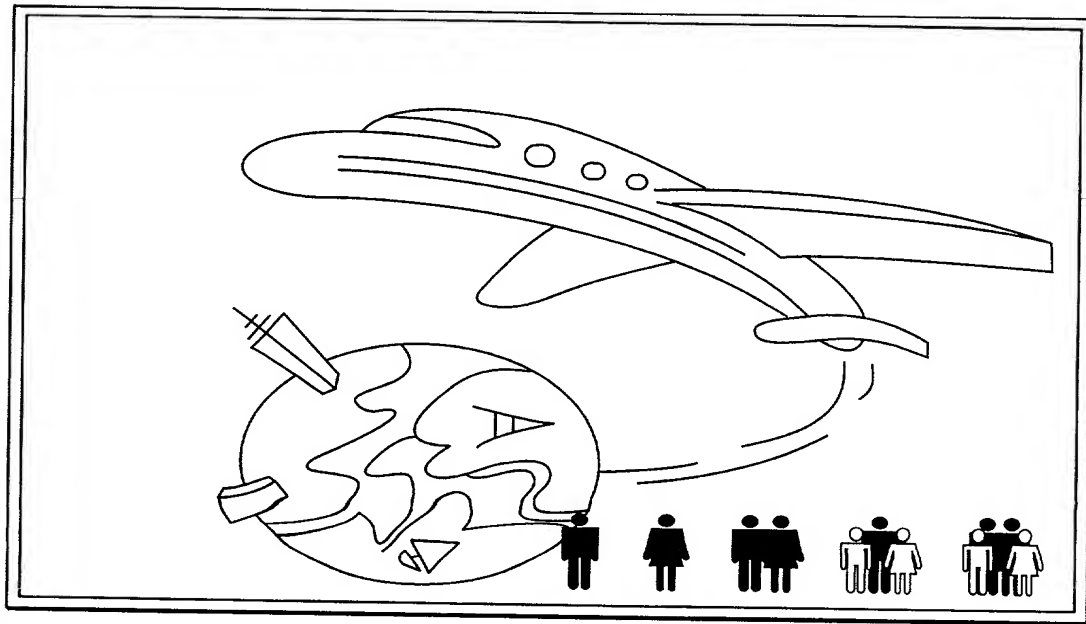


FIG. 34

USER/USER GROUP	INPUT SOURCE (ATTRIBUTE)					SCREEN LAYOUT					AUDIO					VIEWING AND LISTENING PATTERN
	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	#1	#2	#3	#4	#5	
SINGLE A	TV2	—	—	—	—	L1	—	—	—	—	M1	—	—	—	—	A
GROUP 1	TV3	TV2	—	—	—	L1	L2	—	—	—	M2	S1	—	—	—	B
SINGLE A	TV4	ITN1	—	—	—	L3	L4	—	—	—	M2	M5	—	—	—	C
GROUP 2	TV5	DATA1	—	—	—	L3	L4	—	—	—	M1	S1	—	—	—	D
SINGLE A	EXT1	ITN2	—	—	—	L1	L9	—	—	—	M1	—	—	—	—	E
SINGLE A	TV3	ITN2	—	—	—	L1/L3	L4-1/2	—	—	—	M1	M5	—	—	—	F
GROUP 3	TV1	DATA1	T1	DATA2	—	L3	L5	L6	L7	—	M4	M5	M5	M5	—	G

MEANING OF MARK

INPUT SOURCE

TV1 : MEDIA=DIGITAL TV BROADCAST GENRE=NEWS
 TV2 : MEDIA=DIGITAL TV BROADCAST GENRE=SPORT
 TV3 : MEDIA=DIGITAL TV BROADCAST GENRE=DRAMA
 TV4 : MEDIA=DIGITAL TV BROADCAST GENRE=DOCUMENTARY
 TV5 : MEDIA=DIGITAL TV BROADCAST GENRE=ANIMATION
 ITN1 : MEDIA=INTERNET APPLICATION=INTERNET BROWSER
 ITN2 : MEDIA=INTERNET APPLICATION=E-MAIL
 DATA1 : MEDIA=DIGITAL DATA TRANSMISSION GENRE=NEWS
 DATA2 : MEDIA=DIGITAL DATA TRANSMISSION GENRE=WEATHER REPORT
 T1 : MEDIA=INTERNAL FUNCTION APPLICATION=CLOCK DISPLAY

SCREEN LAYOUT

L1 : PARAMETER OF WIDE FULL SCREEN DISPLAY
 L2 : PARAMETER OF 1/8 SIZE PIP DISPLAY AT SCREEN LOWER RIGHT
 L3 : WINDOW OF 2/3 SIZE AT SCREEN LEFT HALF
 L4-1 : WINDOW OF 1/16 SIZE AT SCREEN CENTRAL PART
 L4-2 : WINDOW OF 1/3 SIZE AT SCREEN RIGHT HALF
 L5 TO L7 : DISPLAY PARAMETER OF WINDOW LAYOUT SHOWN IN ANOTHER FIGURE
 L9 : PARAMETER OF ICON DISPLAY AT SCREEN LOWER RIGHT

AUDIO MODE

M1 : OUTPUT CHANNEL=MAIN SPEAKER MODE=STEREO
 M2 : OUTPUT CHANNEL=MAIN SPEAKER MODE=MULTICHANNEL STEREO 1
 M4 : OUTPUT CHANNEL=MAIN SPEAKER MODE=TWO LANGUAGES
 M5 : NON-AUDIO
 S1 : OUTPUT CHANNEL=HEADPHONE MODE=STEREO

FIG. 35

SPORT TV2
DISPLAY PARAMETER L1

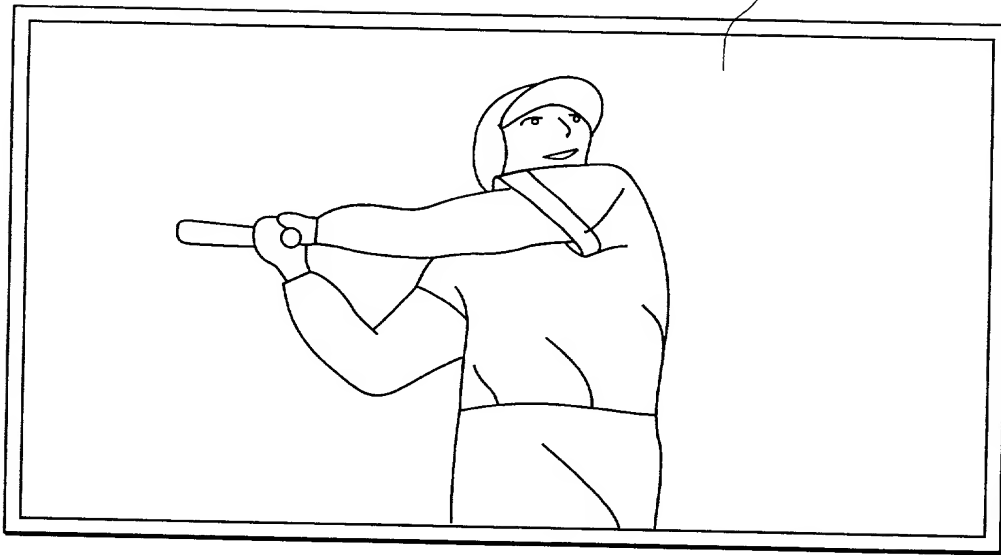


FIG. 36

DOCUMENTARY TV4
DISPLAY PARAMETER L3

HOMEPAGE BROWSER ITN1
DISPLAY PARAMETER L4

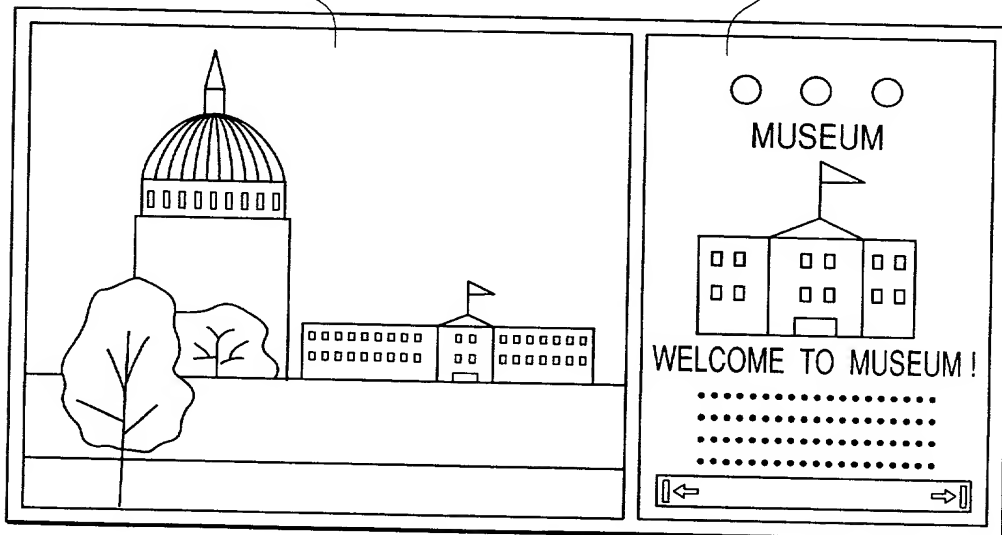
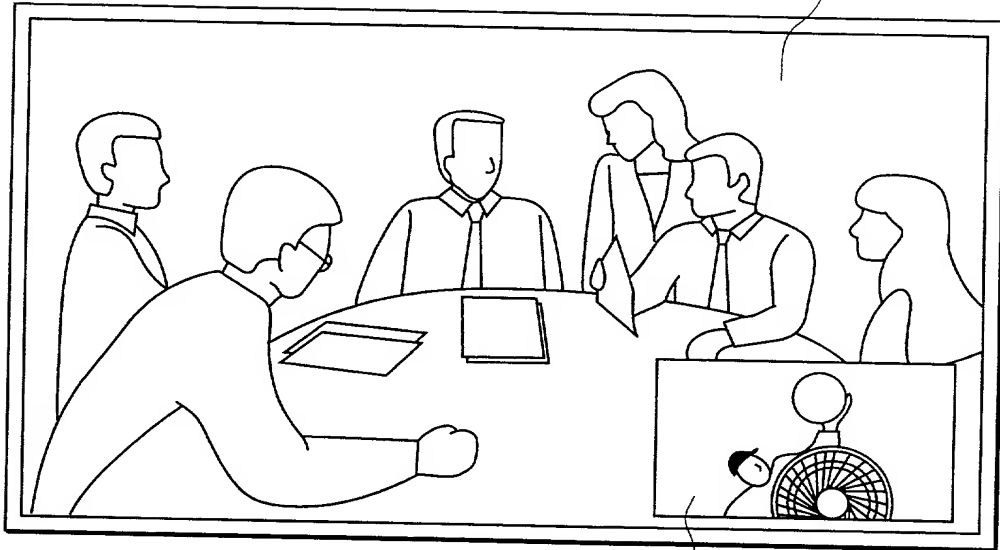


FIG. 37

DRAMA TV3
DISPLAY PARAMETER L1



SPORT TV2
DISPLAY PARAMETER L2

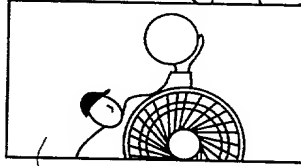


FIG. 38

ANIMATION TV5
DISPLAY PARAMETER L3

DATA BROADCASTING DATA1
DISPLAY PARAMETER L4

